AMENDMENTS TO THE CLAIMS

In order to expedite prosecution, please amend the claims as follows, without prejudice to future prosecution, without disclaimer of any subject matter, and without acknowledgement or presumption that the amendments are in any way related to patentability.

1. (Currently Amended): A data network telephone system comprising:

a data network to provide data connectivity for a plurality of data communications channels;

a telecommunications network access station connected to a data network the data network operable to communicate voice signals as voice over data packets on a voice-over data channel, the voice over data channel being one of the plurality of data communications channels on the data network;

the telecommunications network access station having a station transceiver interface operable to communicate on at least one wireless connection and a teleport connection controller operable to initiate a connection to a data communications channel;

at least one data network teleport having a wireless transceiver interface, a voice processing system, an audio input, and an audio output, the voice processing system operable to receive voice signals from the audio input and to communicate the voice signals over the wireless transceiver to the telecommunications network access station, the voice processing system operable to receive voice signals from the telecommunications network access station and to couple the voice signals to the audio output; and

the data network teleport registered to [[~~the~~ a]] data network telephone service and assigned a user identifier and teleport number by the telecommunications network access station, the teleport number identifying a teleport channel within the telecommunications

network access station which is coupled to a data communications channel by the teleport connection controller when a connection is initiated.

2. (Previously Presented): The system of Claim 1, wherein the teleport number is a User Datagram Protocol (UDP) port number.

3. (Previously Presented): The system of Claim 1, wherein the station transceiver interface is a radio-frequency antenna.

4. (Previously Presented): The system of Claim 1, wherein the station transceiver interface communicates using the 2.4 Ghz. Direct Sequence Spread Spectrum (DSSS) scheme.

5. (Previously Presented): The system of Claim 1, wherein the telecommunications network access station includes a data network interface and a unique network address.

6. (Previously Presented): The system of Claim 1, wherein the telecommunications network access station includes user account information and device identifiers for each data network teleport.

7. (Previously Presented): The system of Claim 1, wherein the telecommunications network access station communicates over the data network by connecting to a first access network.

8. (Previously Presented): The system of Claim 1, wherein the data network teleport contains a central processing unit and memory to store and process computer programs.

9. (Previously Presented): The system of Claim 1 further comprising a portable information device (PID) connected to a data network teleport, wherein the PID is operable to accept PID data from a user and transmit that data across the data network via the data network teleport.

10. (Previously Presented): The system of Claim 9, wherein the PID contains a user profile that is uploaded to the data network teleport and transmitted to the telecommunications network access station during registration of the data network teleport.

11. (Previously Presented): The system of Claim 1 further comprising at least one data network telephone that may communicate over the data network via an access network, the data network telephone including a voice input, a voice output, and a voice processing system.

12. (Previously Presented): The system of Claim 11, wherein the data network telephone includes a unique network address to identify it to the data network.

13. (Previously Presented): A method for communicating on a data network telephony system, comprising in combination:

accepting user input at a first portable information device linked to a data network teleport;

transmitting the user input across a data network via a telecommunications network access station; and

displaying the user input at a second portable information device.

14. (Previously Presented): The method of Claim 13, wherein the user input is received at a data network telephone and transmitted to the second portable information device via a point-to-point link.

15. (Previously Presented): The method of Claim 13, wherein the first portable information device is linked to the data network teleport through a point-to-point link.

16. (Previously Presented): The method of Claim 13, wherein each portable information device communicates with the data network via an access network.

17. (Previously Presented): The method of Claim 16, wherein the access network is a Local Area Network (LAN).

18. (Previously Presented): The method of Claim 16, wherein the access network is a cable network.

19. (Previously Presented): The method of Claim 16, wherein the access network connects to the data network through a router.